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**PATENT APPLICATION**  
**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

First Applicant: BACKER, Ryan Thomas	Group Art Unit: 1624
Serial No.: 10/500476	BERNHARDT, EMILY B
Application Date: January 21, 2003	Conf No.: 9111
US Nat'l Entry Date: June 29, 2004	
For: MELANOCORTIN RECEPTOR AGONISTS	
Docket No.: X-15476	

**RESPONSE TO OFFICE ACTION**  
**SUBMITTED UNDER 37 C.F.R. §1.111**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In response to the Office Action dated 24 October 2006, Applicants respectfully request entry of the following amendments and consideration of the accompanying remarks.

This submission is being electronically transmitted on 24 January 2007 within the shortened statutory period for reply. Therefore, it is believed that no fees are due. However, if this is in error please and any of extensions of time that are necessary and charge any fees due to Deposit Account No. 05-0840.

In this submission:

Amendments to the Claims begin on page 2.

Remarks begin on page 26.